

Tuesday, 15 May

9:00	Opening welcome: <i>Alvin Young, Director, US DOE Center for Risk Excellence, IL, and Margaret MacDonell, Argonne National Laboratory, IL (Auditorium)</i>		
9:15	Director's address: <i>Hermann Grunder, Director, Argonne National Laboratory, IL (Auditorium)</i>		
9:30	Plenary presentations: <i>Addressing DOE's environmental challenges, Carolyn Huntoon, Assistant Secretary for Environmental Management, US DOE, DC (Auditorium)</i>		
10:15	<i>Break (Gallery)</i>		
10:30	<i>The science and art of risk assessment and risk management, Yacov Haimes Director, CRMES, University of Virginia, VA (Auditorium)</i>		
11:15	<i>Sustainability in the information society, Lorenz Hilty, Federal Laboratories for Materials Testing and Research, Switzerland (Auditorium)</i>		
Noon	<i>Lunch break</i>		
1:15	I-1. Global spread of persistent organic pollutants (POPs) (Auditorium) <i>Co-Chairs: Robert Dyer, US EPA Loren Habegger, ANL</i> 1 The Arctic environment vulnerable to global use of POPs: new POP agreements under UNECE and UNEP, and the need for joint actions <i>Lars-Otto Reiersen, Executive Secretary, Arctic Monitoring and Assessment Program, Norway</i> 2 Implementing global action on POPs under the Stockholm Convention: issues and opportunities <i>John Buccini, UNEP Chemicals, Canada</i> 3 The GEF and the global threat of POPs <i>Andrea Merla, Global Environment Facility World Bank, DC</i> 4 An effort to inventory dioxin releases to air and dioxin levels in Russia's environment <i>Elena Grosheva, Biem Institute of Ecological Toxicity, Russia</i>	II-1. Partnerships in emerging economies for community redevelopment (E-1100) <i>Co-Chairs: Carrie Johnston, AEAI Jaroslav Volf, Regional Institute of Hygiene</i> 1 Brownfields and community redevelopment <i>Linda Garczynski, US Environmental Protection Agency Office of Solid Waste and Emergency Response, DC</i> 2 Innovative approaches to attacking global warming: establishing new economies and social programs in developing communities <i>Mary Louise Vitelli, Advanced Engineering Associates International, DC</i> 3 Partnership as a means of environmental problem solving among government, science, technology and society <i>Valeriy Demyanenko, Engineering and Technology Institute, Ukraine</i> 4 Environmental knowledge, public awareness and political decision making: concurring perception and action parameters <i>Klaus Schleicher, University of Hamburg, Germany</i>	III-1. Sampling, analysis, monitoring, and data strategies (E-1200) <i>Co-Chairs: Mitchell Erickson, US DOE EML Lorenz Hilty, EMPA</i> 1 BEIDS: an environmental information dissemination system for the Baltic Sea region <i>Ralf Behrens, TuTech, Germany</i> 2 Future directions in sensors for environmental monitoring <i>Joseph Stetter, IL Institute of Technology, IL</i> 3 The STRING project under the EU – initiative INTERREG II C <i>Juergen Pudor, Ministry of Urban Development, Germany</i> 4 Recent advances in in-situ water quality monitoring: development of a hexavalent chromium monitor <i>Joseph Aldstadt, University Wisconsin-Milwaukee, WI</i> 5 Trends in sampling, analysis, monitoring, and technical information management <i>Mitchell Erickson, US Department of Energy Environmental Measurements Laboratory, NY</i>
3:00	<i>Break (Gallery)</i>		
3:15	Poster platform session (Auditorium) I-PP1 Sustainable chemistry in Germany , <i>Werner Hauthal, University of Leipzig, Germany</i> I-PP2 Approaches for predicting health risks associated with complex chemical mixtures , <i>Peter Robinson, WPAFB-ManTech Environmental Technology, OH</i> I-PP3 Preliminary inventory of sources of persistent organic pollutants in St. Petersburg , <i>Veniamin Khudoley, Russian Academy of Science, Russia</i> I-PP4 Exposure to dose research focus of PNNL's new environmental health initiative , <i>Robert Stenner, Pacific Northwest National Laboratory, WA</i> I-PP5 Using multiple data sources to develop habitat maps for ecological risk assessment at a nuclear facility , <i>John Pinder, Colorado State University, CO</i>		
4:00	Poster viewing (Gallery)		
4:30	Masters' roundtable: Lessons learned confronting environmental issues (Moderator: <i>Alvin Young</i>) (Auditorium) The agent orange saga , <i>Alvin Young, US Department of Energy, IL</i> Sustainable development , <i>Curtis Travis, Quest Technology, TN</i> Regulation running riot , <i>David Ayres, University of London, England</i> The Seveso episode , <i>Umberto Fortunati, Studio di Ingegneria Ambientale, Italy</i> The challenge of risk assessment , <i>Betty Anderson, Sciences International, Inc., VA</i> The politics of fear , <i>Bruce Church, Desert Research Institute, NV</i>		
6:30	<i>Day 1 adjourns</i>		
7:00	<i>Dinner and speaker (Guest House restaurant)</i> <i>Biotechnology solutions for global food issues, Martina McGloughlin, University of California-Davis, CA</i>		

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8:00	Plenary session: Recommendations from Day 1 (Auditorium)		
8:30	I-2. Risk-based strategies for addressing environmental contamination (Auditorium) <hr/> <i>Co-Chairs: Larry Regens, Tulane University Vitaly Eremenko, Kurchatov Institute</i> <hr/> 1 Background concentrations of hazardous chemicals and site cleanup levels for protection of ecosystems <i>Venkat Rao, DynCorp, VA</i> 2 Risk assessment to support remedial action decisions: a case history <i>Ward Whicker, Colorado State University, CO</i> 3 The strategy and program of ecological risk assessment in Armenia <i>Olga Juharyan, Ecological-noosphere Studies of National Academy of Sciences, Armenia</i> 4 Methods for assessment and management of environmental risks and applications in developing countries <i>Igor Linkov, Arthur D. Little, MA</i>	II-2. Environmental partnerships, economics, and law (E-1100/1200) <hr/> <i>Co-Chairs: Robert Nachtrieb, ANL Andreas Brekke, NUST</i> <hr/> 1 Community involvement in economic development <i>Quentin Pair, US Department of Justice, DC</i> 2 Kindred spirits: environmental protection and international development <i>Robert Nachtrieb, US Agency for International Development (ret.), Argonne National Laboratory, IL</i> 3 Lifting our hearts, minds (and checkbooks) to learning, each other and the spirit of the land <i>Yancey McLeod, Yancey Environmental Solutions, SC</i> 4 Quantifying the non-quantifiable and rationalizing the irrational: the case for life cycle assessment <i>Andreas Brekke, Norwegian University of Science and Technology, Norway</i>	IV-1. Responding to the global food crisis (A-1100) <hr/> <i>Co-Chairs: Leslie Dornfeld, UCLA Jim Fischer, Clemson University</i> <hr/> 1 Solving the global food crisis with higher yields <i>Dennis Avery, Hudson Institute, IN</i> 2 BSE and FMD: a challenge for beef production in Europe <i>Ulrich Eskens, Monitoring and Assessment Agency, Germany</i> 3 Identifying and isolating the genes critical to global food security <i>Roy Fuchs, Monsanto, MO</i> 4 Agricultural priorities in developing countries <i>Ray Miller, University of Maryland, MD</i>
10:15	Break (Gallery)		
10:30	I-3. Cleanup of Cold War legacy sites (Auditorium) <hr/> <i>Co-Chairs: Paul Moskowitz, BNL Lucy Shelenkova, BNL</i> <hr/> 1 Innovative approaches for a more effective cleanup program <i>Charles Powers, Consortium for Risk Evaluation with Stakeholder Participation, NJ</i> 2 The Cold War environmental legacy in Romania <i>Florin Glodeanu, Romanian Foundation for Energy and Environment, Romania</i> 3 Challenges for long-term storage of spent fuel of α-class nuclear subs <i>Sviatoslav Ignatiev, Institute of Physics and Power Engineering, Russia</i> 4 Data visualization techniques for enhancing public acceptance of remediation alternatives at complex sites <i>Warren Hull, Conestoga-Rovers & Associates, LA</i>	III-2. Visualization tools to guide decisions (E-1100/1200) <hr/> <i>Co-Chairs: Ken Morgan, TCU Georgy Lysychenko, SSCER</i> <hr/> 1 Remote sensing: revolutionizing our view <i>William Sharp, Research Systems Inc, CO</i> 2 Agriculture versus water pollution risk assessment <i>Laurent Layrol, GEOSYS, Inc., MN</i> 3 Development of simplified GIS web-based environmental emergency response systems <i>Dave LePoire, Argonne National Lab, IL</i> 4 GIS mapping of micro-urban heat islands using GPS and Landsat thermal data <i>Ken Morgan, Texas Christian University, TX</i>	IV-2. Responding to the global food crisis (Part 2, panel discussion) (A-1100) <hr/> <i>Co-Chairs: Leslie Dornfeld, UCLA Jim Fischer, Clemson University</i> <hr/> Speakers from IV-1 joined by panelists: 5 Market needs and agriculture's response <i>Walter Armbruster, Farm Foundation, IL</i> 6 Food safety roles in production, surveillance, and testing <i>Jones Bryan, Clemson University, SC</i> <i>Facilitated discussion</i>
Noon	Lunch break		

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1:30	I-4. Land use dynamics and stewardship (E-1100/1200) Co-Chairs: William Andrews, PNNL Curtis Travis, Quest 1 Long-term resource management: integrated management of residual hazards and natural assets William Andrews, Pacific Northwest National Laboratory, WA 2 Risk management issues in site stewardship David Craig, AEA Technology, VA 3 Botanicals and biodegradables for industrial and radioactive waste reduction Stephanie Simmons, Carnegie Science Center, PA 4 Technical, regulatory, and environmental characteristics of a confined animal feeding operation Russ Brown, Argonne National Laboratory, ID	II-3. Insights from recent global challenges, climate change and CFCs (Auditorium) Co-Chairs: Leo Newland, TCU Peter Gusika, IAES 1 Current state of global change science Ichtiague Rasool, Centre National des Etudes Spatiales, France 2 Megacities and regional transport: Mexico City case study Jeffrey Gaffney, Argonne National Laboratory, IL 3 If science could predict the future, could we prepare the Earth for future generations? John Mutter, Columbia University/ Biosphere2, NY 4 Reducing atmospheric carbon dioxide through terrestrial sequestration Julie Jastrow, Argonne National Laboratory, IL	III-3. Internet applications for integrated decisions (A-1100) Co-Chairs: Kristina Voigt, GSF Rainer Fehr, loegd 1 European environmental information resources on the Web Werner Pillmann, International Society for Environmental Protection, Austria 2 Generation and use of large Web-based environmental information systems Werner Geiger, Forschungszentrum Karlsruhe Germany 3 Management of data in an exabyte world Ethel Jacob, US Department of Energy Environmental Measurements Laboratory, NY 4 Internet-based corporate environmental reporting by companies: technical benefits, empirical findings, ICT architecture Christian Lenz, University of Kaiserslautern, Germany 5 Internet applications to support the EIS process: a case study Robert Sullivan, Argonne National Laboratory, IL
3:15	Break (Gallery)		
3:30	Plenary presentation: Earth's atmosphere in the 21 st century, Sherwood Rowland, Nobel Laureate, University of California at Irvine, CA (Auditorium)		
4:30	Break		
4:45	Cold War legacy colloquium (Auditorium) Co-Chairs: Alvin Young (US DOE Center for Risk Excellence, IL) and Vitaly Eremenko (Kurchatov Institute, Russia) Participants: James Turner (US DOE National Nuclear Safety Administration, DC), Paata Shevardnadze (UNESCO, Republic of Georgia), Petre Metreveli (UNESCO, France), and representatives of the International Risk Assessment Network (twelve Eastern European countries)		
6:30	Chicago Barbeque & Jazz Band (Gallery)		

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8:00	Plenary session: Recommendations from Day 2 (<i>Auditorium</i>)		
8:30	I-5. Multiple chemicals and exposures and cumulative risk (<i>E-1100</i>) <i>Co-Chairs: Rick Hertzberg, US EPA Werner Hauthal, Leipzig University</i> 1 Planning and scoping to manage risks and impacts <i>Edward Bender, US Environmental Protection Agency Science Policy Council, DC</i> 2 Protecting workers & other high-exposure groups <i>Frank Hearl, National Institute for Occupational Safety and Health, WV</i> 3 Spatial considerations in ecological risk assessment <i>Charlie Menzie, Menzie-Cura & Assoc., MA</i> 4 Implications of chemical mixtures in public health practice <i>Moiz Mumtaz, Agency for Toxic Substances and Disease Registry, GA</i> 5 Dermal risk assessments of complex mixtures <i>Jim McDougal, Wright-Patterson AFB, OH</i>	II-4. Incorporating a mix of interests through communication (<i>Auditorium</i>) <i>Co-Chairs: Maria Pavlova, US DOE Suzanne Wells, US EPA</i> 1 Risk communication as a link between risk assessment and risk management <i>Maria Pavlova, US Department of Energy Office of Environment, Safety, and Health, DC</i> 2 Involvement in environmental health actions: a challenge to implementing the National Environmental Health Action Plans in Europe <i>Ivan Ivanov, World Health Organization Regional Office for Europe, Denmark</i> 3 Risk communication and the issue of public trust <i>Lillian Trettin, Medical University of South Carolina, SC</i>	III-4. Data mining and analysis for better solutions (<i>E-1200</i>) <i>Co-Chairs: Kristina Voigt, GSF Craig Swietlik, ANL</i> 1 Data analysis: an effective tool in environmental and chemical information management <i>Kristina Voigt, GSF National Research Center for Environment and Health, Germany</i> 2 Discovering typical descriptor combinations for metadatabase comparison <i>Otmar Goerlitz, Chemnitz University of Technology, Germany</i> 3 Multi-criteria decision tools for sustainable developments of management strategies for environmental issues <i>Stefan Pudenz, Criterion, Germany</i> 4 Prediction model of Japanese encephalitis cases using satellite remotely sensed data and its application to climate change impact assessment in Thailand <i>Suwannee Adsavakulchai, King Mongkut's University of Technology, Thailand</i> 5 Working together on environmental programs: the T-REX <i>Nancy Bennett, University of New Mexico, NM</i>
10:15	<i>Break (Gallery)</i>		
10:30	I-6. Sustainable resource management and health information (<i>E-1100</i>) <i>Co-Chairs: Peter Siebach, US DOE Juergen Pudor, Ministry Urban Dvpm</i> 1 Integrated pest management in Indonesia <i>Merle Shepard, Clemson University, SC</i> 2 Incorporating sustainability and community factors into environmental cleanup and health protection <i>Rick Bowlus, US Army Center for Health Promotion and Preventive Medicine, MD</i> 3 New statistical and visualization methods for detection of national cancer mortality patterns <i>Russell Brown, Argonne National Laboratory, ID</i> 4 An interactive tool for sharing risk information <i>Tom Brody, US Environmental Protection Agency Region 5, IL</i>	II-5. Incorporating a mix of interests, communication (Part 2) (<i>Auditorium</i>) <i>Co-Chairs: Maria Pavlova, US DOE Suzanne Wells, US EPA</i> 1 Community risk communication <i>Carl Botan, Purdue University, IN</i> 2 Workers' right-to-know: challenges and perspectives <i>Jim Worthington, Sheet Metal Workers International Association, WA</i> 3 Superfund's community involvement program: building on our past <i>Suzanne Wells, US Environmental Protection Agency Office of Emergency and Remedial Response, DC</i>	IV-3. Transfer of sustainable technology (<i>E-1200</i>) <i>Co-Chairs: Martin Edelson, Ames Laboratory Khalid Fadil, Faculte des Sciences Meknes</i> 1 Mists of history, mists of the future <i>Tom Davis, Bay Mills Tribal College, MN</i> 2 Biodiesel: a simple answer to complex environmental degradation problems and the energy crisis <i>Rico Cruz, Nez Perce Tribe, ID</i> 3 Application of biomass thermal gasification technology in Henan, China <i>Bing-Lin Young, Iowa State University, IA</i> 4 Multi-generational stewardship of contaminated sites: the role of storytellers, poets, playwrights, and songwriters <i>Merv Tano, Int'l Institute for Indigenous Resource Management, CO</i>
Noon	<i>Lunch break</i>		

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1:30	Poster viewing (<i>Gallery</i>)		
2:30	Poster platform session (<i>Auditorium</i>)		
	I-PP6 Native plant restoration for urban developments , Mike Girvin, <i>Designs on Nature</i> , IN I-PP7 Environmental technology development, deployment and commercialization: two DOE examples , Jeremy Boak, <i>Los Alamos National Laboratory</i> , NM III-PP1 Local environmental health analysis as a tool for policy-making: "Transport, Environment and Health" in Bielefeld , Rainer Fehr, <i>Institute of Public Health</i> , Germany III-PP2 An OO-IDLAMS case study to test a dynamic object-oriented architecture approach to modeling and simulation , Pamela Sydelko, <i>Argonne National Laboratory</i> , IL III-PP3 EQPT: A GIS-based tool for assessing environmental quality , Michael Sackschewsky, <i>Pacific Northwest National Laboratory</i> , WA III-PP4 The Environmental Data Catalogue of Hamburg , Mathias Bock, <i>Umweltbehörde Hamburg</i> , Germany IV-PP1 A proposed modular-sized, integrated nuclear and hydrogen-based energy supply/carrier system , Bruce W. Spencer, <i>Argonne National Laboratory</i> , IL		
3:15	Break (<i>Gallery</i>)		
3:30	IV-4. Tackling the energy crisis (<i>Auditorium</i>) Moderator: Harvey Drucker, ANL 1 The energy crisis: is it real? how do we deal with it? Harvey Drucker, <i>Argonne National Laboratory</i> , IL 2 Prospects for gas as a major energy source Robert Stokes, <i>Gas Technology Institute</i> , IL 3 The role of coal in a national energy strategy John Long, <i>Midwest Generation LLC</i> , IL 4 New developments in nuclear energy Russell Bell, <i>Nuclear Energy Institute</i> , DC 5 Can renewable energy technologies solve our energy problems? Ralph Overend, <i>National Renewable Energy Laboratory</i> , CO	III-5. Data management and information technology for the future (<i>E-1100</i>) Co-Chairs: Werner Geiger, FZK Jim Butler, ANL 1 Prospective impact assessment as a tool for Agenda 21 and environmental health action plans: typology and criteria exemplified by 10 examples Rainer Fehr, <i>Institute of Public Health (loegd) North</i> , Germany 2 Collection, management, and interpretation of atmospheric radionuclide data on a global scale Hsi-Na (Sam) Lee, <i>US Department of Energy Environmental Measurements Laboratory</i> , NY 3 Promoting long-term decision transparency with geographic and WWW information technology Christina Drew, <i>Consortium for Risk Evaluation with Stakeholder Participation</i> , WA 4 Methodological approaches to elaboration of wastes and pollutants transition register in Ukraine Oleg Tsyhanenko, <i>Engineering and Technology Institute</i> , Ukraine	IV-5. Living with risk: the genetic frontier (<i>A-1100</i>) Co-Chairs: Dr. Larry Mohr, MUSC Richard Jablonski, MUSC 1 Summary of aims and methods Richard Jablonski, <i>Medical University of South Carolina</i> , SC 2 Video: Living with risk: the genetic frontier (narrated by Lynn Sherr, ABC News 20-20) 3 Facilitated discussion Moderator: Dr. Larry Mohr, <i>Medical University of South Carolina</i> , SC Panelist: Ali Karakaya, <i>Gazi University</i> , Turkey
5:00	<i>Day 3 adjourns</i>		
8:00	<i>Moonlight nature hike and campfire (Argonne Park, east of the Laboratory site)</i>		

Friday morning, 18 May

9:00	Plenary session: Integrated recommendations and next steps (<i>Auditorium</i>)
10:30	Eco-Informa 2001 closing address: Harvey Drucker, <i>Associate Director, Argonne National Laboratory</i> , IL (<i>Auditorium</i>)
10:45	Formal conference adjourns
11:00	Eco-Informa planning meeting: <i>all are welcome (Auditorium)</i>